

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
RESERVOIR SEDIMENTATION  
DATA SUMMARY

GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
57-4  
DATA SHEET NO.

Cornfield Wash (1)  
NAME OF RESERVOIR

|                              |   |   |                        |                                    |   |                             |                                 |                     |                                   |                 |                    |
|------------------------------|---|---|------------------------|------------------------------------|---|-----------------------------|---------------------------------|---------------------|-----------------------------------|-----------------|--------------------|
| DAM                          | 1. OWNER USDI - BLM                     |   |                        | 2. RIVER Trib. of Rio Puerco       |   |                             | 3. STATE New Mexico             |                     |                                   |                 |                    |
|                              | 4. SEC. 19 TWP. 18N RANGE 3W            |   |                        | 5. NEAREST TOWN Cuba, N. Mex.      |   |                             | 6. COUNTY Sandoval              |                     |                                   |                 |                    |
|                              | 7. STREAM BED ELEV. 45.3*               |   |                        | 8. TOP OF DAM ELEV. -              |   |                             | 9. SPILLWAY CREST ELEV. 58.6*   |                     |                                   |                 |                    |
| RESERVOIR                    | 10. STORAGE ALLOCATION                  | 11. ELEVATION TOP OF POOL               | 12. SURFACE AREA ACRES | 13. STORAGE ACRE- FEET             | 14. ACCUMULATED ACRE- FEET                  | 15. DATE STORAGE BEGAN      |                                 |                     |                                   |                 |                    |
|                              | a. FLOOD CONTROL                        |   |                        |                                    |   | April 1951                  |                                 |                     |                                   |                 |                    |
|                              | b. POWER                                |   |                        |                                    |   |                             |                                 |                     |                                   |                 |                    |
|                              | c. WATER SUPPLY                         |   |                        |                                    |   | 16. DATE NORMAL OPER. BEGAN |                                 |                     |                                   |                 |                    |
|                              | d. IRRIGATION                           |   |                        |                                    |   |                             |                                 |                     |                                   |                 |                    |
|                              | e. CONSERVATION                         | 58.6*                                   | 4.75                   | 24.0                               | 24.0  |                             |                                 |                     |                                   |                 |                    |
|                              | f. INACTIVE                             |   |                        |                                    |   |                             |                                 |                     |                                   |                 |                    |
| 17. LENGTH OF RESERVOIR 0.12 |   | MILES                                   |                        | AV. WIDTH OF RESERVOIR 0.06        |   | MILES                       |                                 |                     |                                   |                 |                    |
| WATERSHED                    | 18. TOTAL DRAINAGE AREA 0.29            |   | SQ. MI.                |                                    | 22. MEAN ANNUAL PRECIPITATION               |                             |                                 |                     |                                   | INCHES          |                    |
|                              | 19. NET SEDIMENT CONTRIBUTING AREA 0.28 |   | SQ. MI.                |                                    | 23. MEAN ANNUAL RUNOFF 1.07                 |                             |                                 |                     |                                   | INCHES          |                    |
|                              | 20. LENGTH 0.83                         |   | MILES                  |                                    | AV. WIDTH .35                               |                             | MILES                           |                     | 24. MEAN ANNUAL RUNOFF 16.6       |                 | AC.-FT.            |
|                              | 21. MAX. ELEV. 6,600                    |   | MIN. ELEV. 6,420       |                                    | 25. CLIMATIC CLASSIFICATION Semi-arid       |                             |                                 |                     |                                   |                 |                    |
|                              |   |   |                        |                                    |   |                             |                                 |                     |                                   |                 |                    |
| SURVEY DATA                  | 26. DATE OF SURVEY                      | 27. PERIOD YEARS                        | 28. ACCL. YEARS        | 29. TYPE OF SURVEY                 | 30. NO. OF RANGES OR CONTOUR INT.           | 31. SURFACE AREA ACRES      | 32. CAPACITY ACRE- FEET         |                     | 33. C/W RATIO AC.-FT. PER SQ. MI. |                 |                    |
|                              | April 1951<br>Oct. 1960                 | 10 <sup>1/</sup>                        | 10                     | Contour                            |   | 4.75                        | 24.0<br>10.3                    |                     | 82.8<br>35.5                      |                 |                    |
|                              | 26. DATE OF SURVEY                      | 34. PERIOD ANNUAL PRECIPITATION         |                        | 35. PERIOD WATER INFLOW ACRE- FEET |   |                             | 36. WATER INFL. TO DATE AQ.-FT. |                     |                                   |                 |                    |
|                              |   |   |                        | a. MEAN ANNUAL                     | b. MAX. ANNUAL                              | c. PERIOD TOTAL             | d. MEAN ANNUAL                  |                     | e. TOTAL TO DATE                  |                 |                    |
|                              | April 1951<br>Oct. 1960                 |   |                        | 16.6                               | 39.1  | 166                         | 16.6                            |                     | 166                               |                 |                    |
|                              | 26. DATE OF SURVEY                      | 37. PERIOD SEDIMENT DEPOSITS ACRE- FEET |                        |                                    | 38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET. |                             |                                 |                     |                                   |                 |                    |
|                              |   | a. PERIOD TOTAL                         |                        |                                    | b. AV. ANNUAL                               | c. PER SQ. MI.-YR.          | d. TOTAL TO DATE                |                     | e. AV. ANNUAL                     |                 | f. PER SQ. MI.-YR. |
|                              | April 1951<br>Oct. 1960                 | 13.7                                    |                        |                                    | 1.37  | 4.89                        | 13.7                            |                     | 1.37                              |                 | 4.89               |
|                              | 26. DATE OF SURVEY                      | 39. AV. DRY WGT. LBS. PER CU. FT.       |                        | 40. SED. DEP. TONS PER SQ. MI.-YR. |   | 41. STORAGE LOSS PCT.       |                                 | 42. SED. INFLOW PPM |                                   |                 |                    |
|                              |   |   |                        | a. PERIOD                          | b. TOTAL TO DATE                            | c. AV. ANNUAL               | d. TOT. TO DATE                 | e. PERIOD           |                                   | f. TOT. TO DATE |                    |
| April 1951<br>Oct. 1960      |   |   |                        |                                    | 5.7   | 57.1                        |                                 |                     |                                   |                 |                    |

\*Assumed datum  
1/ Runoff seasons

|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 26.<br>DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                       |   |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 26.<br>DATE OF SURVEY | 44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|                       | 0-10  | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | -105 | -110 | -115 | -120 | -125 |
|                       | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION          |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|                       |   |       |       |       |       |       |       |       |       |        |      |      |      |      |      |

|                                  |            |            |                |            |            |            |                |
|----------------------------------|------------|------------|----------------|------------|------------|------------|----------------|
| 45. RANGE IN RESERVOIR OPERATION |            |            |                |            |            |            |                |
| WATER YEAR                       | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. |
|                                  |            |            |                |            |            |            |                |

|                                  |      |          |           |      |          |           |      |          |
|----------------------------------|------|----------|-----------|------|----------|-----------|------|----------|
| 46. ELEVATION-AREA-CAPACITY DATA |      |          |           |      |          |           |      |          |
| ELEVATION                        | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
|                                  |      |          |           |      |          |           |      |          |

47. REMARKS AND REFERENCES  
 Data contained in U. S. Geological Survey Water Supply Paper in process of publication

48. AGENCY SUPPLYING DATA U. S. Geological Survey  
 Water Resources Division 49. DATE May 7, 1962